



PCT

RAW SEQUENCE LISTING

DATE: 03/29/2005

PATENT APPLICATION: US/10/528,563

TIME: 15:23:26

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\03292005\J528563.raw

3 <110> APPLICANT: Cymlp A/S
 4 Jonson, Lars
 5 Rehfeld, Jens F.
 6 Johnsen, Anders H.
 8 <120> TITLE OF INVENTION: Methods for increasing the production of
 9 a recombinant polypeptide from a host cell
 12 <130> FILE REFERENCE: P32077PC01
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/528,563
 C--> 14 <141> CURRENT FILING DATE: 2005-03-21
 14 <150> PRIOR APPLICATION NUMBER: DK/PA 2002 01391
 15 <151> PRIOR FILING DATE: 2002-09-20
 17 <160> NUMBER OF SEQ ID NOS: 68
 19 <170> SOFTWARE: FastSEQ for Windows Version 4.0

Does Not Comply
 Corrected Diskette Needed
 (pg. 1-4)

ERRORED SEQUENCES

3071 <210> SEQ ID NO: 15
 3072 <211> LENGTH: 438
 3073 <212> TYPE: PRT
 3074 <213> ORGANISM: Mycobacterium tuberculosis
 3076 <400> SEQUENCE: 15
 3077 Met Pro Arg Arg Ser Pro Ala Asp Pro Ala Ala Ala Leu Ala Pro Arg
 E--> 3078 ⁸⁵Ala ¹¹⁰Val ¹¹⁵His ¹²⁰Ser ¹²⁵Ala ¹³⁰Ser ¹³⁵Val ¹⁴⁰Gly ¹⁴⁵Val ¹⁵⁰Trp ¹⁵⁵Val ¹⁶⁰Gly ¹⁶⁵Val ¹⁷⁰Gly ¹⁷⁵Ser ¹⁸⁰Arg
 3081 Arg Thr Thr Leu Pro Gly Gly Leu Arg Val Val Thr Glu Phe Leu Pro
 3082 20 25 30
 3085 Ala Val His Ser Ala Ser Val Gly Val Trp Val Gly Val Gly Ser Arg
 3086 35 40 45
 3089 Asp Glu Gly Ala Thr Val Ala Gly Ala Ala His Phe Leu Glu His Leu
 3090 50 55 60
 3093 Leu Phe Lys Ser Thr Pro Thr Arg Ser Ala Val Asp Ile Ala Gln Ala
 3094 65 70 75 80
 3097 Met Asp Ala Val Gly Gly Glu Leu Asn Ala Phe Thr Ala Lys Glu His
 3098 85 90 95
 3101 Thr Cys Tyr Tyr Ala His Val Leu Gly Ser Asp Leu Pro Leu Ala Val
 3102 100 105 110
 3105 Asp Leu Val Ala Asp Val Val Leu Asn Gly Arg Cys Ala Ala Asp Asp
 3106 115 120 125
 3109 Val Glu Val Glu Arg Asp Val Val Leu Glu Glu Ile Ala Met Arg Asp
 3110 130 135 140
 3113 Asp Asp Pro Glu Asp Ala Leu Ala Asp Met Phe Leu Ala Ala Leu Phe
 3114 145 150 155 160
 3117 Gly Asp His Pro Val Gly Arg Pro Val Ile Gly Ser Ala Gln Ser Val

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3118          165          170          175
3121 Ser Val Met Thr Arg Ala Gln Leu Gln Ser Phe His Leu Arg Arg Tyr
3122          180          185          190
3125 Thr Pro Glu Arg Met Val Val Ala Ala Ala Gly Asn Val Asp His Asp
3126          195          200          205
3129 Gly Leu Val Ala Leu Val Arg Glu His Phe Gly Ser Arg Leu Val Arg
3130          210          215          220
3133 Gly Arg Arg Pro Val Ala Pro Arg Lys Gly Thr Gly Arg Val Asn Gly
3134 225          230          235          240
3135 Ser Pro Arg Leu Thr Leu Val Ser Arg Asp Ala Glu Gln Thr His Val
3136          245          250          255
3139 Ser Leu Gly Ile Arg Thr Pro Gly Arg Gly Trp Glu His Arg Trp Ala
3140          260          265          270
3143 Leu Ser Val Leu His Thr Ala Leu Gly Gly Gly Leu Ser Ser Arg Leu
3144          275          280          285
3147 Phe Gln Glu Val Arg Glu Thr Arg Gly Leu Ala Tyr Ser Val Tyr Ser
3148          290          295          300
3151 Ala Leu Asp Leu Phe Ala Asp Ser Gly Ala Leu Ser Val Tyr Ala Ala
3152 305          310          315          320
3155 Cys Leu Pro Glu Arg Phe Ala Asp Val Met Arg Val Thr Ala Asp Val
3156          325          330          335
3159 Leu Glu Ser Val Ala Arg Asp Gly Ile Thr Glu Ala Glu Cys Gly Ile
3160          340          345          350
3163 Ala Lys Gly Ser Leu Arg Gly Gly Leu Val Leu Gly Leu Glu Asp Ser
3164          355          360          365
3167 Ser Ser Arg Met Ser Arg Leu Gly Arg Ser Glu Leu Asn Tyr Gly Lys
3168          370          375          380
3171 His Arg Ser Ile Glu His Thr Leu Arg Gln Ile Glu Gln Val Thr Val
3172 385          390          395          400
3175 Glu Glu Val Asn Ala Val Ala Arg His Leu Leu Ser Arg Arg Tyr Gly
3176          405          410          415
3179 Ala Ala Val Leu Gly Pro His Gly Ser Lys Arg Ser Leu Pro Gln Gln
3180          420          425          430
3183 Leu Arg Ala Met Val Gly
3184          435
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3674 <212> TYPE: PRT
3675 <213> ORGANISM: Homo Sapiens
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3679 Asp Tyr Met Gly Trp Met Asp Phe Gly Arg Arg Ser Ala Glu Glu Tyr
3680 1 5 10 15
3681 Glu Tyr Pro Ser
3682 20

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<210> 66
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> Pitrilysin consensus sequence

<221> VARIANT
<222> (1)...(13)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (1)...(13)
<223> Xaa = Any Amino Acid

<221> VARIANT
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<223> Xaa = Any Amino Acid

<221> UNSURE
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1 5 10

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<220>
<223> Pitrilysin consensus sequence

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<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (1)...(44)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (1)...(44)
<223> Xaa = Any Amino Acid

<221> VARIANT
<222> (34)...(34)
<223> Xaa = any amino acid or absent

<221> VARIANT
<222> (35)...(35)
<223> Xaa = any amino acid or absent

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<400> 6712

67

Gly Xaa Xaa His Xaa Xaa Glu His Xaa Xaa Xaa Xaa Gly Xaa Xaa Xaa
 1 5 10 15
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Xaa Asn Ala Xaa Thr Xaa Xaa Xaa Xaa Thr
 35 40

<210> 68

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Pitrilysin consensus sequence

<221> VARIANT

<222> (1)...(44)

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (1)...(44)

<223> Xaa = Any Amino Acid

<221> VARIANT

<222> (1)...(44)

<223> Xaa = Any Amino Acid

<221> VARIANT

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<223> Xaa = any amino acid or absent

<221> VARIANT

<222> (35)...(35)

<223> Xaa = any amino acid or absent

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68

Gly Xaa Xaa His Xaa Xaa Glu His Xaa Xaa Xaa Xaa Gly Xaa Xaa Lys
 1 5 10 15
 Tyr Pro Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu Xaa Xaa Xaa Xaa Xaa
 20 25 30
 Xaa Xaa Xaa Asn Ala Xaa Thr Xaa Xaa Xaa Xaa Thr
 35 40

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32077PC01

deleted

VERIFICATION SUMMARY

DATE: 03/29/2005

PATENT APPLICATION: US/10/528,563

TIME: 15:23:27

Input Set : A:\PTO.SR.txt

Output Set: N:\CRF4\03292005\J528563.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:43 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
M:341 Repeated in SeqNo=2
L:485 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
M:341 Repeated in SeqNo=3
L:3078 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:15
L:3677 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:52 differs:53
L:3848 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:3852 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:66
L:3856 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:66
L:3860 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:66
L:3863 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:66
L:3863 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:66 differs:6611
L:3864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6611 after pos.:0
L:3877 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:3881 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:67
L:3885 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:67
L:3889 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:67
L:3893 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:67
L:3897 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:67
L:3897 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:67 differs:6712
L:3898 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6712 after pos.:0
M:341 Repeated in SeqNo=67
L:3915 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!
L:3919 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:68
L:3923 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:68
L:3927 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:68
L:3931 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:68
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L:3935 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:68 differs:6813
L:3936 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6813 after pos.:0
M:341 Repeated in SeqNo=68